

REMARKS

Claims 1-32 will be pending upon entry of the present amendment. Claim 16 and is amended.

Applicant thanks Examiner Paik for his consideration during the telephone interview with Applicant's representative on May 12, 2005. During the telephone interview, applicant understands the parties of the interview arrived at an agreement with respect to the pending claims. These remarks summarize the distinctions made in the interview, as requested by the Examiner.

Claim 1 recites, in part, "first and second bus plates, and a plurality of positive temperature coefficient elements...sandwiched between the bus plates..., each positive temperature coefficient element including: first and second conductive plates, and a plurality of positive temperature coefficient heating stones...sandwiched between the conductive plates."

The parties discussed the above cited limitations in comparison to the art of record, Roller in particular. It was noted that Roller does not teach the first and second bus plates, teaching only the conductive plates and PTC stones (referred to by Roller as PTC elements).

With respect to the language of claim 10, the point at issue was the term "encapsulated." Applicant's representative cited Webster's Third New International Dictionary, 1966 edition (page 745, attached herewith), which defines encapsulate as "to surround, encase, or protect in or as if in a capsule." and pointed to figure 5 of the present application as an example, in which components of the heating element are fully encapsulated within the cavity 110. The Examiner indicated that he would consider the term to distinguish over Gusmer in independent claims 10 and 29, provided the Applicant placed the above recited definition in the record, which is done by these remarks. The Examiner suggested that claim 16 be amended to recite the term, as well, in order to distinguish that claim over the prior art. Claim 16 has been amended accordingly.

The Examiner indicated a willingness to enter the present amendment into the record. Applicant understands that the Examiner will conduct an additional search based upon his new understanding of the claims, but that, provided no new art is located, he is inclined to allow the claims as currently constituted.

If Applicant's understanding of the Examiner's position, as outlined above, is in error, Applicant respectfully requests that the Examiner provide further clarification.

In view of the above summarized interview, applicant considers the remaining rejections of the recent Office Action to be moot, and will therefore not address them at this time. This should not be considered an admission, on the part of the Applicant, as to their materiality.

Favorable consideration and a Notice of Allowance are earnestly solicited. In the event the Examiner finds minor informalities that can be resolved by telephone conference, the Examiner is urged to contact Applicants' undersigned representative at (206) 694-4848 in order to expeditiously resolve prosecution of this application.

The Director is authorized to charge any additional fees due by way of this Amendment, or credit any overpayment, to our Deposit Account No. 19-1090.

Respectfully submitted,

SEED Intellectual Property Law Group PLLC



Harold H. Bennett II
Registration No. 52,404

HHB:wt

Enclosures:

Postcard

Webster's Third New International Dictionary reference (pg. 745)

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-6031

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emul-sif-i-ble \em'yoos'feel, \em'yoos'feel, \em'yoos'feel \ or emul-si-ble \yoos'feel\ adj : capable of being emulsified (\sim oils)

emul-sifi-ca-tion \yoos'feeshen\ n -s : the process of emulsifying

emul-sif-i-er \yoos'feer, \yoos'feer\ n -s 1 : an emulsifying agent : a surface-active agent (as a soap) for promoting the formation and stabilization of an emulsion 2 : a machine (as a mixer) for doing this — compare HOMOGENIZER

emul-sin \yoos'fin\ v -ED/-ING/ \yoos'fən\ n -s [ME *emulson* + *-yf*] : to convert (an oil) into an emulsion — compare HOMOGENIZE

emul-sin \yoos'fin\ n -s [G, fr. *L emulsum* + *G -in*] : any of various enzyme preparations that are obtained usu. from plants (as almonds and mold fungi) as white amorphous powders and that contain glycosides active on beta-glycosides (as amygdalin or celllobiose)

emul-sion \yoos'ʃən, \yoos'ʃən\ n -s [NL *emulsion*, *emulso*, fr. L *emulsum* past part. of *emulgere* to milk out] + *-on*, *-o-* ion *emul-* more at EMULSION 1 a : a milky fluid made by rubbing almonds or other seeds with water and used as a demulcent 2 : any of various milky liquids 2 a (1) : an intimate mixture of two incompletely miscible liquids (as oil and water) in which one of the liquids in the form of fine droplets is dispersed in the other usu. with the aid of an emulsifier : a disperse system in which both phases are liquids (milk is an oil-in-water \sim) (2) : an intimate mixture consisting of a semisolid or solid (\sim) (as a resinous or bituminous material) dispersed in a liquid (as asphalt in water) — compare FOAM 1, SUSPENSION 2b 3 : an emulsion of a liquid or solid substance in an aqueous liquid with an emulsifier (as a gum or gelatin) used esp. to improve the palatability of medicine (\sim of cod-liver oil) 4 : a suspension of a finely divided sensitive silver salt (as silver bromide) or a mixture of silver halides in a viscous medium (as a gelatin solution) used for coating photographic plates, films, and paper; also : the resultant coating when dried emulsion paint *n* : a paint having water usu. as the volatile phase with various nonvolatile substances (as linseed-oil varnish) as emulsion as the binder — compare LATEX PAINT

emul-sive \yoos'vee\ adj [emulsion + *-ve*] : constituting or yielding an emulsion (\sim insecticidal spray oils)

emul-soid \yoos'soid\ n -s [NL *emulsion* + *-oid*] 1 : a colloidal system consisting of a liquid dispersed in a liquid — not used scientifically; compare SUSPENSOID 2 : a lyophilic sol (as a gelatin solution) — used esp. in biology — *emul-soi-dal* \yoos'soid'\ adj

emul-so-r \yoos'sor, \yoos'sor\ n -s [NL *emulsor*] : an emulsifier 2 (centrifugal) *n*

emun-to-ry \yoos'mag'kətərē, \yoos'mag'kətərē\ n -s [NL *emunctionarium*, fr. L *emuncus* (past part. of *emungere* to blow or wipe the nose, fr. *e-* + *mungere*, akin to *mucus*) + *-rium* -ory — more at MUCUS] *archaic* : an organ or part of the body (as the kidneys or skin) that serves to carry off body wastes

emundation *n* -s [LL *emundatio*, *emundatio*, fr. L *emundatus* (past part. of *emundare* to clean out, fr. *e-* + *mundare* to clean, fr. *mundus* clean) + *-on*, *-o-* ion — more at MOTHER (membrane)] *obs* : ceremonial cleansing

emus abr [*L eminentissimus*] most eminent

emu wren *n* : any of several small Australian warblers (genus *Stipiturus*) that resemble wrens but have the tail feathers long and loosely barbed like emu feathers

emyd-ea \yoos'midē\, \yoos'midē\ n pl, cap [NL, fr. *Emyd-*, *Emys*] in former classifications : a group of turtles nearly coextensive with the family Emydidae

emy-did \yoos'midēd\, \yoos'midēd\ adj [NL *Emydidae*] : of or relating to the Emydidae

emyd-l-dae \yoos'midēd\, \yoos'midēd\ adj [NL *Emydidae*] : a family of chelonians comprising most of the freshwater aquatic tortoises and terrapins and closely related to Testudinidae in which it has often been included as a subfamily

emy-do-sau-ri-a \yoos'mēdōsōrēi\, \yoos'mēdōsōrēi\ syn of LORICATA

emy-do-su-ri-an \yoos'mēdōsōrēn\ adj [NL *Emydosauria* + E -an] : of or relating to the Loricata

emydosaurian \yoos'mēdōsōrēn\ n -s : CROCODILIAN

emys \yoos'mēs, \yoos'mēs\ n, cap [NL, fr. *Emy*, *Emys*, type genus + -idae] : a small genus of turtles (family Emydidae) including the common European pond tortoise (*E. orbicularis*) and a No. American tortoise (*E. blandingii*)

en \yoos'n\ n -s 1 : the letter *n*, *2* : the set dimension of an en quad used esp. in Great Britain as a unit of measure of a typesetter's production

en \yoos'n, \yoos'n, \yoos'n\ dial Eng var of HUM

en \yoos'n, \yoos'n, \yoos'n\ Scot var of END

en \yoos'n, \yoos'n, \yoos'n\ prep [F, lit., in, fr. L *in*] : in the form or manner of — see EN BLOC, EN BROSE, EN CABOCHON

en-also \yoos'n, \yoos'n, \yoos'n\ prefix [ME, fr. OF, fr. L *in-*, fr. *in* — more at IN] 1 : put into (encradle) : put on to or into (emboss) — in verbs formed from nouns 2 : cause to be (englade) *<enslave* — sometimes in verbs that also have the suffix *-enbolden*: in verbs formed from adjectives or nouns 3 : provide with (encollar) *<empower* — in verbs formed from nouns 4 : so as to cover or surround (enwrap) : thoroughly (entangle) — often in verbs differing little or not at all in meaning from the corresponding verb without prefix (*entame*) ; in verbs formed from verbs; in all senses usu. *en-* before *b*, *m*, or *p* and *en-* in other circumstances

en-also \yoos'n, \yoos'n, \yoos'n\ prefix [ME, fr. L, fr. Gk, fr. en in — more at IN] 1 : in; within : inside (*endermic*) (*engram*) (*enzootic*) — usu. *en-* before *b*, *m*, or *p* (*embatholithic*) and *en-* in other circumstances

en- — see OPEN

en- comb form [ISV, fr. *-ene*] : chemically unsaturated; esp. : having one double bond (*enamine*)

en- \yoos'n, \yoos'n, \yoos'n\ sometimes 'm after p, b, f, or v sometimes 'n after k or g also -n, -n, \yoos'n\ adj suffix [ME, fr. OE, akin to OHG -ing] made of, or of belonging to, ON -inn, Goth -ins made of, or of belonging to, Skt -na of or belonging to; made of: consisting of (*earthen*) (*woolen*) — now relatively infrequent because of the widespread attributive use of nouns or adjectives formed from nouns without the addition of a suffix (as *gold cup*, *wheat cake*) and to be found chiefly in adjectives which are obsolete (*innen*) or archaic (*oaken*) or in which a sense other than the literal one has become prominent (*golden*) (*wooden*) ; usu. -n after -er (*silverern*)

en- \yoos'n\ vb suffix -ED/-ING/ s [ME *en-nen*, fr. OE *-nan* (as in *festinan* to fasten); akin to OS *-nōn*, final segment of certain transitive infinitives (as in *fastnōn* to fasten), OHG *-inbin* (as in *festinan* to fasten), ON *-na* (as in *fastna* to pledge, betroth)] 1 a : cause to be (sharpen) — sometimes in verbs that also have the prefix *en-* (*embolden*) ; in transitive verbs formed from adjectives b : cause to have (lengthen) — in transitive verbs formed from nouns 2 a : come to be (steepen) — in intransitive verbs formed from adjectives b : come to have (lengthen) — in intransitive verbs formed from nouns

en-abr enemy — in chemical formulas [$(Co(en)_3)_2$]

EN abr exception noted

en-abl \yoos'nəbl\ adj *en* enabled; enabled; enabling *en-abl* \yoos'nəbl\ enables [ME *enablen*, fr. *en-* + able, adj.] 1 a : to strength, or competency (his particular theology enabling him to overcome some of the difficulties —S.F.Mason) b : to make possible, practical, or easy (*enabled* passage of the anti-poll-tax law —H.F. & Katharine Pringle) 2 a *archaic* to give ...

legislation upon (a bill) that gives the validity of law 3 : to act out : REPRESENT, PLAY (a lot of history has been ~ed within my view —Douglas Carrington) (this scene being ~ed in the courtroom —Beatrice Griffith) ~ vi : to act on or as if on the stage : PERFORM

en-act n [ME *enacte*, fr. *enacten*, v. pres. part. of *enact*] : the clause of an act that formally expresses the legislative sanction and that usu. appears after the title or preamble of the act en-action \yoos'ʃən\ n -s [fr. *G enactus* + *-on*] : ENACTMENT en-act-ment \yoos'ʃənt\ n -s 1 : the act or action of enacting 2 : PASSING (the ~ of a bill by the legislature to aid private industry) 2 : something that has been enacted (as a law, bill, or statute)

en-ac-tor \yoos'ktor\ n : one that enacts (the new laws ...) fulfilled the fondest hopes of their ~s — Oscar Handlin) enacture *n* -s obs : ENACTMENT, RESOLUTION

en-a-til \yoos'til\ n -s [ISV *enatal*, (fr. Gk *enalous* of the sea, fr. *en-* + *halos* of the sea, fr. *hal-*, *halos* sea) + *-id*; akin to Gk *halos* salt — more at SALT] : a submerged marine plant (as eelgrass)

en-al-i-or-nis \yoos'ñörñis\ n, cap [NL, fr. *enali* (fr. Gk *enali* of the sea) + *-ornis*] : a genus comprising Cretaceous swimming birds from the Greensand formations of England and related to *Hesperornis*

en-al-i-o-saur \yoos'ñōsōr\ n -s [NL *Enaliosaura*] : a marine reptile of the division Enaliosauria

en-al-i-o-sau-ria \yoos'ñōsōrēi\ n pl, cap [NL, fr. *enali* (fr. Gk *enali* of the sea) + *-sauria*] in some classifications : a division of extinct marine reptiles comprising the Ichthyosauria and the Plesiosauria and other forms — *en-al-i-o-sau-rian* \yoos'ñōsōrēn\ adj or n

en-a-til \yoos'ñil\ n -s [Ena, town in central Honshu, Japan + E -ite] : a wanerous thorite

enam \yoos'nām\ n -s [Hindi *in'ām* enam, gift, favor, fr. Per, gift, favor, fr. Ar] *Hindu* law : a grant of land to be held rent free or on favorable rent; specif : such a grant in perpetuity — compare JAGIR

enam-ard \yoos'ñärđ\ n -s [Hindi *in'āmđār*, fr. Per, fr. *in'ām* + *đär* holder — more at BHUMIDAR] : the holder of an *enam*

enam-el \yoos'ñämäl\, \yoos'ñämäl\ adj *en* enamelled; enameled or enameled; enameling *n* -s [ME *enamelen*, fr. MF *enameler*, *enamellaier*, fr. *en-* + *emmalier* to enamel, fr. OF *esmalier*, fr. *esmail*, esmal enamel], of Gmc origin; akin to OHG *smelzai* to melt — more at SMELT] 1 : to cover or inlay with enamel 2 : to beautify or adorn with or as if with a colorful bright surface (such as ~ed the whole scene —London Calling) 3 : to form or produce a glossy surface upon (as paper, leather, or cloth) 4 : to apply enamel to (the face or nails)

enamel \yoos'nāmēl\ n -s [ME, fr. *enamelen*, v. 1 : a uspa, opaque or semipaque vitreous composition applied by fusion to the surface of metal, glass, or pottery for ornament or protection or as a basis for decoration — see CHAMPLEVÉ, CLOISONNÉ; compare GLAZE 2 : a surface, exterior, or outer covering that resembles or suggests enamel 3 : a paint that flows out to a smooth hard coat when applied, that contains a specially prepared vehicle instead of raw oil, and that usu. dries with a glossy appearance 4 : something that is enameled: enameled ware 6 : a cosmetic intended to give the appearance of a smooth and beautiful complexion or to produce a glossy appearance 6 : the intensely hard calcareous substance that forms a thin layer capping or partly covering the teeth of most mammals (as man) and many other vertebrates, being the hardest substance of the animal body and consisting of minute prisms that are secreted by ameloblasts, are arranged at right angles to the surface, and are bound together by a cement substance — see ROOTS illustration 7 a : the coating of carbonized glue or shellac that forms the acid-resisting portion of a metal photoengraving plate b : the facing material of coated paper

enamel coll *n* : AMELOBLAST

enamede brick *n* [enamede fr. past part. of *enamel*] : a brick having a smooth impervious easily cleaned surface secured by coating with a special wash before burning and used in bathrooms, hotel kitchens, and swimming pools

enamede leather *n* : leather having a hard varnished surface; specif : PATENT LEATHER

enam-el-er or **en-am-el-er** \yoos'ñämələr\ n -s : one that applies enamel: as a : one that fuses enamel into jewelry settings b : one that coats cast-iron sanitary units with enamel enameling or enamelling *n* -s [ME *enamellinge*, fr. *enamelen* to enamel + *-inge* -ing] 1 : ENAMEL; specif : enamel ornamentation 2 a : the application of enamel b : the process or technique of applying enamel

enam-el-ist or **en-am-el-ist** \yoos'ñäməlist\ n -s : ENAMELER

enamel kiln *n* : a muffle kiln used by enameler in which colors and gold applied over the glaze are fired : a decorating kiln

enamel organ *n* : an ectodermal ingrowth from the dental ridge that forms a cap with two walls separated by a reticular network of stellate cells, encloses the anterior part of the developing dental papilla and the cells of the inner enamel layer adjacent to the papilla, and differentiates into columnar ameloblasts which lay down the enamel rods of the tooth

enamel painting *n* : painting with enamel colors that are fixed with heat usu. upon a surface of fired enamel

enamel rod *n* : one of the elongated prismatic bodies making up the enamel of a tooth

enamelware \yoos'ñärmēr\ n : ware (as iron cooking utensils) coated with enamel for protection (as from rust or the action of acids)

en-am-or \yoos'ñämōr\, \yoos'ñämōr\ adj *en* enamored; enameled or *en* enamored; enameled; enameled *n* -s or *in* *Explan Notes* [ME *enamouren*, fr. OF *enamourer*, *enamored*, fr. *en-* + *amour*, amor love — more at AMOUR] : to inflame with love; CHARM, CAPTIVATE — usu. used in the passive with of (tourists who were ~ed of the town) and sometimes with *with* (a beautiful Indian girl with whom he was ~ed —Walter Houghurst)

en-am-or-ed-ness \yoos'ñämōrñess\ n -s : the state of being enamored

en-an-thal-de-hyde or **oe-nan-thal-de-hyde** \yoos'ñan'thal'dēdē\, \yoos'ñan'thal'dēdē\ n [ISV *enanth*, *enanth* + *-ate*] : a salt or ester of enanthic acid (as in gold cup, wheat cake) and to be found chiefly in adjectives which are obsolete (*innen*) or archaic (*oaken*) or in which a sense other than the literal one has become prominent (*golden*) (*wooden*) ; usu. -er after -er (*silvern*)

en- \yoos'n\ vb suffix -ED/-ING/ s [ME *en-nen*, fr. OE *-nan* (as in *festinan* to fasten); akin to OS *-nōn*, final segment of certain transitive infinitives (as in *fastnōn* to fasten), OHG *-inbin* (as in *festinan* to fasten), ON *-na* (as in *fastna* to pledge, betroth)] 1 a : cause to be (sharpen) — sometimes in verbs that also have the prefix *en-* (*embolden*) ; in transitive verbs formed from nouns 2 a : come to have (lengthen) — in transitive verbs formed from adjectives b : come to have (lengthen) — in intransitive verbs formed from nouns

en-an-thine \yoos'ñän'θēn\, \yoos'ñän'θēn\ adj *en* *an-* *thine* \yoos'ñän'θēn\, \yoos'ñän'θēn\ n pl but sing or pl in constr, sometimes cap [NL, fr. L, dedication festival, fr. Gk *enkainia*, fr. *en* + *-inai* (fr. *kainos* new) — more at IN, RECENT] : an annual university ceremony (as at Oxford University) of commemoration with recital of poems and essays and conferring of degrees

en-cage \yoos'ñäg\, \yoos'ñäg\ adj [F, on the cage] : placed symmetrically in or upon the axis — used with *with* (pillars *en cage* with the central aisle)

en-banc \yoos'ñäns\, \yoos'ñäns\ adj (or adj) [F, on the bench] : in full court : with full judiciary authority (in the recent ... case all seven circuit judges sat *en banc* —Archibald Cox)

en-bas \yoos'ñäbä\, \yoos'ñäbä\ adj (or adj) [F, below, down] *ballet* : in a low position — used of movement or of the execution of a step

en-axe \yoos'ñäks\, \yoos'ñäks\ adj [F, on the axis] : placed symmetrically in or upon the axis — used with *with* (pillars *en axe* with the central aisle)

en-banc \yoos'ñäns\, \yoos'ñäns\ adj (or adj) [F, on the bench] : in full court : with full judiciary authority (in the recent ... case all seven circuit judges sat *en banc* —Archibald Cox)

en-bloc \yoos'ñäbl\, \yoos'ñäbl\ adj (or adj) [F, in a lump or mass] : used by force (the islanders ... to move *en bloc* —D.B.Forrester) one escape for harassed editors is to buy a group of strips *en bloc* from some syndicate —Coulton Waugh) 2 : in one piece : as a unit (an engine with cylinders cast *en bloc*)

en-brave var of EMBRAVE

en-bro-chette \yoos'ñäbrəshet\, \yoos'ñäbrəshet\ adj (or adj) [F, brochette kidney in brochette]

en-brosse \yoos'ñäbrōs\, \yoos'ñäbrōs\ adj (or adj) [F, lit., in the manner of a brush] : in a manner resembling the short erect bristles of a brush — used of a man's hair style (his black hair ... stood up *en brosse* —Hugh Walpole) (his very thick graying hair *en brosse* added an extra inch to his stature —Kathryn Grondaal)

en-abr 1 enclosed; enclosure 2 encyclopedia

en-cab-o-chon \yoos'ñäbōshān\, \yoos'ñäbōshān\ adj [F, in the manner of a cabochon] : in convex form but not faceted (a ruby cut *en cabochon*)

en-ca-nia \yoos'ñäñēa\, \yoos'ñäñēa\ n pl but sing or pl in constr, sometimes cap [NL, fr. L, dedication festival, fr. Gk *enkainia*, fr. *en* + *-inai* (fr. *kainos* new) — more at IN, RECENT] : an annual university ceremony (as at Oxford University) of commemoration with recital of poems and essays and conferring of degrees

en-cage \yoos'ñäg\, \yoos'ñäg\ adj [en- + cage, n.] : CAGE 1

en-camp \yoos'ñämp\, \yoos'ñämp\ adj [en- + camp, n.] : to form into or place in a camp (*~ soldiers*) ~ vi : to form or occupy a camp : prepare and settle in temporary habitations (as tents or huts)

en-camp-ment \yoos'ñämp'nt\, \yoos'ñämp'nt\ n -s 1 a : the action of encamping b : the state of being encamped 2 a : the place where a body of troops or campers is encamped : CAMP (was not enthusiastic over the choice of Valley Forge as a winter ~ —F.W.V. Mason) (a well-fortified ~) (the ~ of migratory workers outside the city) b : the individuals that make up an encampment (the whole ~ was in an uproar) 3 : COMMANDERY 4 : a convention of a national association of ex-servicemen

en-cap-sule \yoos'ñäpsü'lät\, \yoos'ñäpsü'lät\ adj *en-* also *sys-* also *en-* *capsule* *n*, *en-* + *atc*, *vb* -ED/-INC/S *en* *capsulate* fr. *en-* + *capsule*, *n*, *en-* + *atc*, *vb* suffix: *en* *capsule* fr. *en-* + *capsule*, *n* vi : to surround, encase, or protect in or as if in a capsule *CAPSULE* (the tissues of the body surround the trichinae organisms and ~ them —Morris Fishbein) (in his youth he was *encapsulated* in affection —H.L.Menciken) ~ vi : to become encapsulated (a cell that ~s in the human body) (some very small poikilotherms desiccate and ~ for protection —Samuel Brody) — *en-capsulation* \yoos'ñäp'shōn\, \yoos'ñäp'shōn\ adj [fr. past part. of *encapsulate*] *bolt* : surrounded by a gelatinous or membranous envelope (~ water bacteria)

en-captive vt [en- + captive, n. or adj] *obs* : to make captive

en-carnadine var of INCARNADINE

en-car-na-til \yoos'ñäñtēl\, \yoos'ñäñtēl\ adj [en- + carnalize] : to make carnal (grossness *en-carnalizing* a conversation)

en-car-pus \yoos'ñäp'üs\, \yoos'ñäp'üs\ pl *en* *en-car-pus* \yoos'ñäp'üs\, \yoos'ñäp'üs\ [alter. influenced by Gk *enkarpōs*] of earlier *enca* lessoons as an architectural ornament, fr. L, fr. Gk *enkarpōs*, neut. pl. of

EST
AVAILABLE
COPY